

Amendments to the Claims

This listing of claims replaces all prior versions and listings of claims in the application.

Listing of Claims:

1. (Previously Presented) A light-emitting device comprising:
a pixel comprising:
a light-emitting element,
a first transistor for deciding a value of a current flowing to the light-emitting element,
and

a second transistor for deciding a light emission or non light emission of the light-emitting element depending on a video signal,

wherein the light-emitting element, the first transistor, and the second transistor are connected in series between a first power unit and a third power unit, and

wherein a gate electrode of the first transistor is connected to a second power unit.

2. (Previously Presented) A light-emitting device comprising:
a pixel comprising:
a light-emitting element,
a first transistor for deciding a value of a current flowing to the light-emitting element,
a second transistor for deciding a light emission or non light emission of the light-emitting element depending on a video signal, and

a third transistor for controlling an input of the video signal,

wherein the light-emitting element, the first transistor, and the second transistor are connected in series between a first power unit and a third power unit, and

wherein a gate electrode of the first transistor is connected to a second power unit.

3. (Previously Presented) A light-emitting device comprising:

a pixel comprising:

a light-emitting element,
a first transistor for deciding a value of a current flowing to the light-emitting element,
a second transistor for deciding a light emission or non light emission of the light-emitting element depending on a video signal,
a third transistor for controlling an input of the video signal, and
a fourth transistor for forcing the light-emitting element into a non-emission state irrelevant from the video signal,
wherein the light-emitting element, the first transistor, and the second transistor are connected in series between a first power unit and a third power unit, and
wherein a gate electrode of the first transistor is connected to a second power unit.

4. (Previously Presented) The light-emitting device according to claim 1, wherein the first transistor and the second transistor are identical in conductivity.

5. (Previously Presented) The light-emitting device according to claim 1, wherein the first transistor comprises a depletion type.

6. (Previously Presented) The light-emitting device according to claim 1, wherein the first transistor has a channel length longer than a channel width, and the second transistor has a channel length equal to or shorter than a channel width.

7. (Previously Presented) The light-emitting device according to claim 6, wherein a ratio of the channel length to the channel width of the first transistor is 5 or more.

8. (Previously Presented) An element substrate comprising:
a pixel comprising:
a pixel electrode;
a first transistor for deciding a value of a current flowing to the pixel electrode, and

a second transistor for deciding a supply or non-supply of a current to the pixel electrode depending on a video signal,

wherein the first transistor and the second transistor are connected in series between a first power unit and the pixel electrode, and

wherein a gate electrode of the first transistor is connected to a second power unit.

9. (Previously Presented) The element substrate according to claim 8, wherein each of the first transistor and the second transistor has a P-type conductivity, and a threshold value of the first transistor is higher than that of the second transistor.

10. (Previously Presented) The element substrate according to claim 8, wherein each of the first transistor and the second transistor has an N-type conductivity, and a threshold value of the first transistor is lower than that of the second transistor.

11. (Previously Presented) The element substrate according to claim 8, wherein the first transistor comprises a depletion type.

12. (Previously Presented) The element substrate according to claim 8, wherein the first transistor has a channel length longer than a channel width, and the second transistor has a channel length equal to or shorter than a channel width.

13. (Previously Presented) The element substrate according to claim 12, wherein a ratio of the channel length to the channel width of the first transistor is 5 or more.

14. (Previously Presented) The light-emitting device according to claim 2, wherein the first transistor and the second transistor are identical in conductivity.

15. (Previously Presented) The light-emitting device according to claim 3, wherein the first transistor and the second transistor are identical in conductivity.

16. (Previously Presented) The light-emitting device according to claim 2, wherein the first transistor comprises a depletion type.

17. (Previously Presented) The light-emitting device according to claim 3, wherein the first transistor comprises a depletion type.

18. (Previously Presented) The light-emitting device according to claim 2, wherein the first transistor has a channel length longer than a channel width, and the second transistor has a channel length equal to or shorter than a channel width.

19. (Previously Presented) The light-emitting device according to claim 3, wherein the first transistor has a channel length longer than a channel width, and the second transistor has a channel length equal to or shorter than a channel width.

20. (Previously Presented) The element substrate according to claim 9, wherein the first transistor comprises a depletion type.

21. (Previously Presented) The element substrate according to claim 10, wherein the first transistor comprises a depletion type.

22. (Previously Presented) The element substrate according to claim 9, wherein the first transistor has a channel length longer than a channel width, and the second transistor has a channel length equal to or shorter than a channel width.

23. (Previously Presented) The element substrate according to claim 10, wherein the first transistor has a channel length longer than a channel width, and the second transistor has a channel length equal to or shorter than a channel width.

24. (New) The light-emitting device according to claim 18, wherein a ratio of the channel length to the channel width of the first transistor is 5 or more.

25. (New) The light-emitting device according to claim 19, wherein a ratio of the channel length to the channel width of the first transistor is 5 or more.

26. (New) The light-emitting device according to claim 1, wherein the light-emitting device is incorporated into at least one selected from the group consisting of a cellular phone, a mobile computer, a game machine, an electronic book, a video camera, a digital camera, a goggle display, a display device, and a navigation system.

27. (New) The light-emitting device according to claim 2, wherein the light-emitting device is incorporated into at least one selected from the group consisting of a cellular phone, a mobile computer, a game machine, an electronic book, a video camera, a digital camera, a goggle display, a display device, and a navigation system.

28. (New) The light-emitting device according to claim 3, wherein the light-emitting device is incorporated into at least one selected from the group consisting of a cellular phone, a mobile computer, a game machine, an electronic book, a video camera, a digital camera, a goggle display, a display device, and a navigation system.

29. (New) The element substrate according to claim 8, wherein the element substrate is incorporated into at least one selected from the group consisting of a cellular phone, a mobile

Applicant : Mitsuaki Osame et al.
Serial No. : 10/807,545
Filed : March 24, 2004
Page : 7 of 8

Attorney's Docket No.: 12732-
223001 / US7068/7143/7203

computer, a game machine, an electronic book, a video camera, a digital camera, a goggle display, a display device, and a navigation system.